OTTER QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA-POWDER RIVER CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°07'30" 45°15' 10' R 45 E R 46 E 10 11 12 15 13 18 17 14 23 20 21 22 24 19 20 12'30' 12'30" 29 28 30 27 26 25 32 31 34 35 36 T 7 S T. 8 S. T 8 5. 3 12 10 11 13 15 14 18 21 23 24 (BEAR CREEK SCHOOL) 4774 II SW R. 45 E. R. 46 E. 106°07′30″ Base from U.S. Geological Survey, 1972 Compiled in 1977 SCALE 1:24 000 0°50' UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

UNITED STATES

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE OTTER QUADRANGLE, POWDER RIVER COUNTY, MONTANA BY

> E. J. McKAY AND L. N. ROBINSON 1979

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature

**OPEN-FILE REPORT** 

**OPEN FILE REPORT 79-105** 

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EXPLANATION



NON-FEDERAL COAL LAND--Land for which the Federal Government does not own the coal rights, and for which the coal-development potential is not rated.

BOUNDARY OF RESERVE BASE COAL--Drawn along the contact between burned and unburned coal and the fault boundary of coal. Arrows point toward area of Reserve Base

STRIPPING LIMIT LINE--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

Measured resources)
1.8 (Indicated resources) (Inferred resources)

IDENTIFIED STRIPPABLE COAL RESOURCES--Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R). Rounded to two significant figures.

(Measured resources) (Indicated resources) (Inferred resources)

IDENTIFIED NON-STRIPPABLE COAL RESOURCES--Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Rounded to two significant figures.

To convert short tons to metric tons, multiply by 0.907.